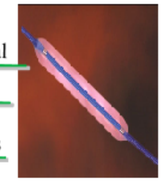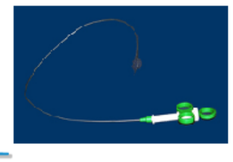- **uretroscopy**
  - **indication of scopy**
    - diagnose
      - trauma
      - lat. source haemturea
      - ut. tumour
      - stricture & obst.
      - urinary tcc
    - thrapeutic
      - stone extract.
      - fistula
      - resect tumour
  - **plastic cath.**
    - diagnose
      - urine sample
        - not 4 cytology
        - not 4 protein 24h
      - cystography
        - not urthrography
          - dye not retained
  - **foley's cath.**
    - urthrogram
  - **uretrourthroscopy**
    - patent
      - urthra
      - bladder
    - evacuate bladder
    - ident. ureter orif.
  - **Guide wire**
    - to kidney
      - maliable end
    - from urthra
      - tough end
  - **Dilatation**
    - gradual
      - teflon dilator
        - d.d
          - uretric cath.
        - multiple steps
        - long segment dil.
        - time consuming
    - sudden
      - baloon dilator
        - one step
        - limited to intramural
        - short time
        - may rupture vessels
  - **urteroscope**
    - dormia basket
      - lower 1/3
      - middle
    - desintegration
      - forceps
        - upper 1/3
          - never dormia
        - avulsion
      - 0.8-1.5cm
  - **uretric cath.**
    - indication
      - Therapeutic(JJ)
        - after uretroscopy
          - obstructive anuria
          - with ESWL
          - in O FK
        - retropretoneal fibrosis
        - uretrovasical Fist.
          - wiat 3m to manage
        - obstructed kidney
          - pregnancy
      - diagnostic
        - where tumor
        - with foley's
          - urine cytology
        - D. source of hge
          - hypersens.
            - no IVU
          - uraemic
        - retrograde pylouretrography
        - D. urine analysis
          - obsolete
    - ثبتها مع الfoley
    - remove guide w.
    - from 3d- max 1week
    - if need stent
    - double j
      - upto 6 month.
      - by pusher
      - removed by cystoscope